

WHAT IS CLAIMED IS:

✓ 1. A method of controlling distribution of a segment of encrypted electronic information, comprising:

5 receiving, from a key server, a protected decryption key associated with the segment;

retrieving, at a user location, the segment;

obtaining an unprotected copy of the decryption key from the protected decryption key;

10 decrypting, in response to said obtaining, the segment using the unprotected copy of the decryption key;

destroying the unprotected copy of the decryption key at the user location in response to said decrypting;

displaying the decrypted segment in response to said decrypting; and

15 destroying the decrypted segment in response to said displaying.

2. The method of claim 1, further comprising:

saving, in response to said receiving, the protected decryption key;

wherein said destroying the unprotected copy of the decryption key does not effect the unprotected copy of the decryption key.

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3. The method of claim 1, further comprising:

said receiving further comprising receiving at least one access policy associated with at least one of the key server, the user location, the segment, the decryption key, and a user, the at least one access policy including at least one fixed time limitation;

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said determining comprising determining whether current operating conditions, including the current time, satisfy the at least one access policy.

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4. The method of claim 1, further comprising:

saving, in response to said receiving, the protected decryption key in memory;

and

rendering the protected copy of the decryption key inaccessible after an

5 expiration time in the at least one access policy.

✓ 5. A method for issuing a key lease, comprising:

receiving, at a remote server, a request to lease a decryption key for an encrypted
electronic segment;

10 determining whether a key lease can be issued for the encrypted electronic
information based on at least one of a remote server restriction, an
information restriction, and a user restriction;

creating a voucher in response to a determination that the key lease can be issued,
said voucher including at least the decryption key, and at least one time
15 limitation associated with the decryption key;

encrypting at least the decryption key of the voucher; and
sending the voucher to the user location.

20 6. The method of claim 5, wherein said creating further comprises adding access
policies associated with the information to the voucher.

7. The method of claim 5, wherein said receiving further comprises receiving a
requested time frame of use of the key lease, and wherein the at least one
time limitation includes an expiration time based on at least one of a
25 maximum allowed by the remote server, a maximum allowed by the
information, a maximum allowed by user limitations, and the requested
time frame.

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8. The method of claim 5, further comprising:
said encrypting utilizing a first information from the user location and a second
information from the remote server; and
said sending further comprises sending the second information to the user
5 location;
wherein the second information is insufficient in and of itself to decrypt the
voucher.
9. The method of claim 5, further comprising destroying the decryption key at
10 the remote server after a predetermined period of time.
10. The method of claim 5, further comprising:
logging said obtaining in a log; and
sending, from the user location to a remote server, the log.
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11. The method of claim 10, further comprising logging a time of said obtaining
in the log.
12. A method of controlling distribution of electronic information, comprising:
20 sending, from a user location to a key server, a request to access a protected
segment, and a first information;
receiving, at the user location from the key server, an encrypted voucher and a
second information, said voucher including at least a decryption key
associated with the segment;
25 retrieving, at a user location, the segment;
obtaining a decrypted copy of the decryption key using the first and second
information;
accessing, in response to said decrypting, the segment using the at least a portion
of the voucher;

destroying, in response to said accessing, the decrypted copy of the decryption key.

13. The method of claim 12, further comprising:

5 displaying the accessed segment in response to said accessing; and
destroying the accessed segment in response to said displaying.

14. The method of claim 12, wherein the voucher includes access policies, the method further comprises:

10 determining, in response to said decrypting, whether operating parameters satisfy the access policies; and
said accessing being responsive to said operating parameters being determined to satisfy the access policies;
wherein said accessing is responsive to said decrypting through said determining.

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✓ 15. A method for controlling distribution of electronic information, comprising:
retrieving, at a user location, a segment of encrypted electronic information;
receiving, from a key server, an encrypted decryption key for the segment;
saving said encrypted decryption key in a memory;
20 obtaining a decrypted copy of the decryption key in response to an authorized user request to access the segment;
accessing the segment using the decrypted copy of the decryption key at the user location for the segment; and
destroying the decrypted copy of the decryption key at the user location in
25 response to said accessing without destroying the encrypted decryption key in memory.

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16. The method of claim 15, further comprising:

displaying the decrypted segment in response to said accessing; and
30 destroying the decrypted segment in response to one of said displaying.

17. A method of accessing a protected segment of electronic information, the segment having an associated key, comprising:
retrieving, at the user location, the segment;
5 receiving, at the user location from the remote server, the key;
accessing the segment, in response to said receiving, using the key;
displaying the segment as accessed;
destroying the key in response to one of said displaying and said accessing,
wherein the key is never stored in memory at a user location between said
10 receiving and said destroying;
receiving, at the user location from the remote server, an encrypted key lease
including the key;
saving the encrypted key lease in a memory;
breaking a connection between the user location and the remote server; and
15 during a period of the broken connection:
retrieving, at the user location, the segment;
obtaining a decrypted copy of the key from the key lease;
accessing the segment in response to said obtaining;
displaying the segment as accessed; and
20 destroying the decrypted copy of the key in response to one of said
displaying and said accessing.
18. The method of claim 17, further comprising restoring a connection between
the user location and the remote server.
- 25 19. The method of claim 18, further comprising revoking the key lease after said
restoring.

20. The method of claim 18, further comprising:

logging said obtaining in a log; and

sending, after said restoring, the log from the user location to the remote server.

5 21. The method of claim 20, further comprising detecting, at one of the user location and the remote server, from the contents of the log, any tampering at the user location relating to at least one of the key lease, the segment, and operating conditions at the user location.

10 ✓ 22. A method of viewing a segment of encrypted electronic information on a display, comprising:

receiving, from a remote server, an encrypted decryption key for the segment;

retrieving, at a user location, a segment of encrypted electronic information;

first decrypting the encrypted decryption key in response to the presence of

15 authorized conditions;

second decrypting the segment using the decrypted decryption key;

destroying, at the user location, all copies of the decrypted decryption key in

response to said second decrypting, without destroying the encrypted decryption key;

20 displaying the segment as decrypted on the display; and

destroying, at the user location, the segment as decrypted in response to said displaying.

✓ 23. A method of controlling distribution of a segment of encrypted electronic information, the segment having a first and second portion, the method comprising:

receiving, from a key server, an encrypted voucher, the voucher including first

and second decryption keys associated with the first and second portions, respectively,

30 retrieving, at a user location, the segment;

accessing the protected copy of the first decryption key;
decrypting, in response to said accessing, the first portion of the segment using
the accessed copy of the first decryption key;
destroying the accessed copy of the first decryption key at the user location in
5 response to said decrypting;
displaying the decrypted segment in response to one of said decrypting and said
destroying;
destroying the decrypted first portion in response to said displaying;
accessing the protected copy of the second decryption key after said destroying
10 the first decrypted segment; and
decrypting, in response to said accessing the protected copy of the second
decryption key, the second portion of the segment using the accessed copy
of the second decryption key.

- 15 ✓ 24. A method of limiting access to a segment of encrypted information,
comprising:
saving, at a remote server, a decryption key for the segment, the segment being at
a location other than the remote server;
receiving a request from an authorized user for the decryption key;
20 sending a copy of the decryption key from the remote server to a source of the
request;
destroying the decryption key at the remote server in response to the elapse of a
predetermined period of time.
- 25 25. The method of claim 24, further comprising preventing the source from
storing the copy of the decryption key, wherein said destroying leaves
said segment permanently inaccessible absent breaking of the encryption
protecting of the segment.

- ✓ 26. A system for accessing a protected segment of electronic information,
comprising:
means for receiving, from a key server, a protected decryption key associated
with said segment;
5 means for retrieving, at a user location, said segment;
means for obtaining an unprotected copy of said decryption key from said
protected decryption key;
means for decrypting, in response to said obtaining, said segment using said
unprotected copy of said decryption key;
10 means for destroying said unprotected copy of said decryption key at said user
location in response to said decrypting;
means for displaying said decrypted segment in response to said decrypting; and
means for destroying said decrypted segment in response to said displaying.
- 15 27. The method of claim 26, further comprising:
means for saving, in response to said receiving, said protected decryption key;
wherein said means for destroying said unprotected copy of said decryption key
does not effect said unprotected copy of said decryption key.